

### REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 5-14 are active in this case. Claims 5 and 9 have been amended by the present amendment. It is respectfully submitted that no new matter is added by this amendment.

In the outstanding Office Action, the drawings were objected to; Claim 9 was rejected under 35 U.S.C. § 112, second paragraph; Claims 5-6 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Johnson et al. (U.S. Pat. 5,339,092, hereinafter Johnson); Claims 7, 9, and 10 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Johnson as applied to Claim 5, and further in view of Tanaka (U.S. Pat. 5,824,935); Claim 8 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Johnson and Tanaka as applied to Claims 5 or 7, and further in view of Spaulding et al. (U.S. Pat. 6,091,849, hereinafter Spaulding); and Claims 13-14 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Johnson as applied to Claim 5, and further in view of Auger et al. (U.S. Pat. 6,130,678, hereinafter Auger) and further in view of Perbet et al. (U.S. Pat. 5,150,105, hereinafter Perbet).

In reply to paragraphs 1-3 of the outstanding Office Action, substitute Figures 3 and 5 are submitted herewith. Further, the specification is amended to recite “D-type flip-flops 504,” instead of “D-type flip-flops 5014” to be consistent with substitute Figure 5. Accordingly, it is respectfully submitted that the objections to the Figures be withdrawn.

Briefly recapitulating, amended Claim 5 recites a system for displaying an image on a screen, including a symbol generator connected to an image memory connected to a correlator. More specifically, “the image memory is organized to allow reading of n pixels or subpixels in parallel, n greater than or equal to two,” and “the correlator comprises a luminance path which performs a synchronous processing in parallel of the luminous levels

of the  $n$  pixels or subpixels.” The image memory is organized to process a plurality of pixels in parallel, and the correlator is organized to process the plurality of pixels in parallel.<sup>1</sup>

Further, since the processing between the memory and correlator is performed in parallel on a plurality of pixels or subpixels, the number of dots processed per cycle and the throughput of the correlator are increased.<sup>2</sup>

As noted in the outstanding Office Action, Johnson does not disclose a correlator.<sup>3</sup> Johnson describes a beam former.<sup>4</sup> The beam former of Johnson acts as a matching filter between the graphic generator and the display device.<sup>5</sup> As shown in Figure 36 of Johnson and stated in paragraph 11 of the outstanding Office Action, the patterns of primary colors are processed in parallel by the beam former. However, Johnson does not disclose or suggest an image memory “organized to allow reading of  $n$  pixels or subpixels in parallel,  $n$  greater than or equal to two,” and a correlator “which performs a synchronous processing in parallel of the luminous levels of the  $n$  pixels or subpixels.” Johnson only teaches parallel processing of the primary colors within one pixel, and does not teach parallel processing of a plurality of pixels. Therefore, Johnson does not disclose or suggest a system for displaying an image on a screen as in amended Claim 5. In light of the above comments, amended Claim 5, and Claims 6-14 which depend from amended Claim 5 are believed to be clearly patentably distinguishing over Johnson.

The remaining references of record have been considered, but do not cure the deficiencies of Johnson, as above discussed. Therefore, pending Claims 5-14 are believed to be allowable.

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<sup>1</sup> Applicants’ specification, page 4, lines 2-4.

<sup>2</sup> Applicants’ specification, page 5, lines 12-16.

<sup>3</sup> Office Action mailed December 5, 2003, page 4, lines 7-8.

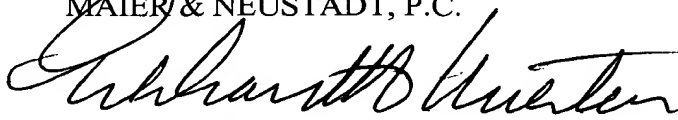
<sup>4</sup> Johnson, column 3, lines 18-37; column 12, line 44 to column 13, line 16.

<sup>5</sup> Johnson, column 3, lines 18-21.

Consequently, in view of the present amendment and in light of the above comments, no further issues are believed to be outstanding in this application, and the present application is believed to be in condition for formal allowance. An early and favorable action to that effect is respectfully requested.

Respectfully submitted,

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